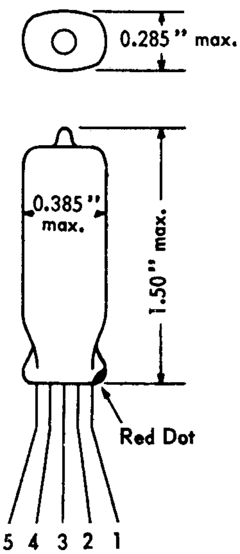
SUBMINIATURE TRIODE

TYPE CK5971

The CK5971 is a filament type triode of subminiature construction designed for use as an amplifier oscillator, or frequency multiplier in the VHF Range. The CK5971 features exceptional ruggedness and is suited for applications involving high impact shock. The flexible terminal leads may soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.



MECHANICAL DATA

ENVELOPE: T-2X3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min. Spacing: 0.048" center-to-center.)

TERMINAL CONNECTIONS: *(Red dot is adjacent to lead 1)*

Lead 1 Plate	Lead 4 Grid
Lead 2 Grid	Lead 5 Filament, top, positive
Lead 3 Filament, bottom, negative	

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: ($\mu\mu$fds.) ●

Grid to Plate: (g to p)	2.3	
Input: (g to f)	1.6	
Output: (p to f)	1.7	

RATINGS - ABSOLUTE MAXIMUM VALUES:

Filament Voltage (dc)	1.25±20%	volts
Plate Voltage	90	volts
Plate Current	5	ma.

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc)	1.25	volts
Filament Current	80	ma.
Plate Voltage	67.5	volts
Grid Voltage	▲ 0	volts
Amplification Factor	23	
Transconductance	2100	μmhos
Plate Current	3.5	ma.
Grid Voltage (approx.) for Ib = 50 μa.	-3.5	volts

● *No shield.*

▲ *Grid Resistor = 5 megohms.*

Tentative Data

PLATE CURRENT VS. PLATE VOLTAGE

